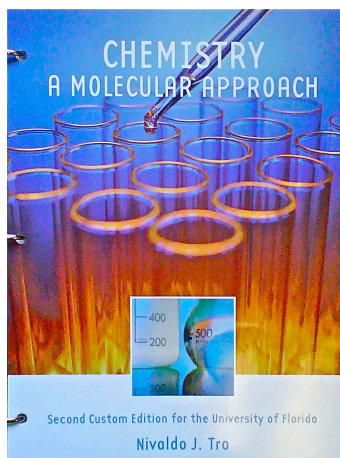


Syllabus

Introduction to Chemistry

CHM 1025 Section 4206 – Summer 2013

Period	Instructor	Office Hours	Office Location	Email
MTWF 6th	Ciera Gerack	Mon. and Wed. 1:15 - 3:15 pm	CLB 214	gerack@chem.ufl.edu



TEXTBOOKS: 1) "Chemistry a Molecular Approach," 2nd Edition, Tro, Pearson Publishers, The Tro textbook may be purchased in a loose-leaf **packet** at a price significantly reduced from that of the hardcover texts. This version will only include the chapters taught in this class. (This is the second edition for UF which is taken from the second edition of the Tro book.) The Mastering Chemistry electronic homework access code is in the packet along with the worksheets.

OTHER MATERIALS NEEDED: Calculator, iClicker (available at the bookstore – a coupon is provided in the Tro packet), **e-HOMEWORK (Mastering Chemistry)** (see below).

INFORMATION: CHM 1025, Introduction to chemistry, is a course designed to help students understand the basic concepts of chemistry and master the skills necessary to succeed in the mainstream general chemistry sequence, CHM 2045-2046. To succeed in this course, the student must spend adequate time studying the available materials. These include your textbook and the *Mastering Chemistry* homework. The course will meet four times a week for live discussions and feedback. The schedule given below suggests the relevant chapters in the Tro book that the student should work on during specific weeks in the course.

***** In order to pass this class and progress to CHM 2045, you must earn a grade of C or better! *****

PREREQUISITES: High school algebra II or MAC 1147 or the equivalent. Students whose math-algebra background is weak should pass MAC 1147 with a minimum grade of C before enrolling in CHM 1025.

TIPS: Chemistry is very much a "learn by understanding" subject. Because of this you must work hard in this course to do well. That means you should read the textbook and do the Mastering Chemistry homework sets until you understand! Then you should work extra problems from the book or Mastering Chemistry homework to test your understanding (MC questions can be redone after the due dates for extra practice).

The more problems you do, the more likely you are to succeed.

e-LEARNING: To access e-Learning, you should go to the website: <http://lss.at.ufl.edu>, click on "e-Learning Login" enter your GatorLink username and password and then click "Log in." To log in, you MUST use your GatorLink username and password. If you do not yet have one, you must obtain one. If you have any problems with your GatorLink name or password, you should contact the Help Desk at 392-HELP, or go to 520 CSE. It is your job to check E-learning every Monday, Wednesday, and Friday. You are responsible for knowing all information that is posted on the announcements. The resources section is also very helpful. Outlines of the class notes, sample exams, and worked out exam solutions (among other things) can be found here. *Bring the note outlines to class, as we will move at a pace that is hard to maintain without them.

MASTERING CHEMISTRY (eHW): Sections of the e-homework will be assigned. **You may repeat questions 4 times in order to master them.** To purchase the **Mastering Chemistry** access code online (not necessary, if you bought the **eHW** access code with your textbook packet) go to <http://www.masteringchemistry.com/>. No extensions will be given for assignments. Do not get caught in a last minute rush and then experience a problem or outage. Technological setbacks will not result in extensions because you have ample opportunity to work on the sections before the due date. (A troubleshooting guide is available in the resources section.) You are allowed to do each assignment after the deadline (except for the final assignment). However, 10% will be deducted per day after the deadline. All assignments must be completed by the day before the final exam (11:59 pm August 7) there will be no late credit offered after this time for any assignment. The course ID is GerackSummerB2013.

IN-CLASS CLICKER QUIZZES: There will potentially be daily in-class quizzes, which we call clicker questions. For these, you will need an iClicker remote control ("clicker"). They are available for purchase at the UF bookstore and a coupon is included in your bundle for this purchase. Each question correctly answered receives 2 points and wrong answers receive 0.5 points. The 80 class points earned will reflect the percentage of the possible points (2 points per question for each question done in the semester). **You will be graded out of 85% of the possible clicker points to account for excused and unexcused absences.** Consequently, it pays to come to class. Raw clicker points will be updated regularly in e-Learning; it is important to be sure that your tally of total points increases as you complete clicker questions. It is **your responsibility** to be sure your clicker works, you will not get extra points later because of a faulty clicker or dead batteries. There will be **ABSOLUTELY NO** writing down your answers on paper to manually hand in. Bring your clicker to each and every class!! (An extra set of batteries is also a good idea.) **You must have the clicker by July 2nd, the second day of class.**

IN-CLASS ASSESSMENTS: There will be special assessments handed out during the semester to be completed and turned in during a class period. They may not be turned in late. You will be graded out of 85% of the possible assessments to account for excused and unexcused absences.

WORKSHEETS: A worksheet is a set of questions/problems related to the material to be studied that class period. They are available in the Tro packet obtained at the UF bookstore or you may download the worksheets from e-Learning. They can be found in the resources section. Answers to problems in the worksheets will be

released after they have been collected in class. **These worksheets are optional and will provide up to (but not exceeding) 25 extra class points.** Each worksheet is worth 1 point and is graded as 1 or 0.5 points based on completion (not accuracy). Worksheets will be collected only on Fridays to include all material completed by the previous Wednesday. The final set of worksheets will be collected on Wednesday August 7th (the last day of class). No late worksheets will be collected.

EXAMS: Two progress exams and a cumulative final exam will be given. The dates for the exams are **July 11th, July 25nd, and August 8th.** The time for each exam (including the final) is **7:00 – 9:30 PM**, the rooms for the exams will be released in the week before the exam. All exams will have 26 questions and be multiple choice. All progress exams will be given in the evening on the date listed on the syllabus. If you must be absent for an exam due to a **documented and approved academic or UF athletic conflict**, bring the documentation to your instructor **beforehand** (at least a week prior to the scheduled exam). Planned or emergency trips home or elsewhere are not approved conflicts. **No late makeup progress exams will be given for any reason.** Bubbling errors of your form code or UFID will result in a 10 point penalty.

HONOR SYSTEM: All exams are given under the Honor System. Any student caught cheating will receive a failing grade in the course. Check the website for the UF policy on academic honesty: <http://www.dso.ufl.edu/judicial/academic.php>.

SCORING: Your grade for the term will be determined as follows:

Exams (2 @ 260 points each)	520 points
Mastering Chemistry Homework	80 points
In-class Assessments	60 points
Clicker Points (2 correct, 0.5 wrong; total percentage of clicker points earned*80 class points)	80 points
Final Exam (cumulative)	260 points
Worksheets (optional)	(+25 points)
TOTAL (with a possible +25 extra)	1000 points

GRADING: Grades will not be curved. The following grade cutoffs will be used:
(This is fixed; points **will not** go up.)

A = 870	B ⁻ = 740	D ⁺ = 600
A ⁻ = 840	C ⁺ = 700	D = 560
B ⁺ = 800	C = 670	D ⁻ = 540
B = 770	C ⁻ = 640	E = <540

HELP: As soon as you encounter difficulties, get help! Small problems rapidly become big problems. You have several options available for assistance in this class. The first option is the office hours of your instructor, noted on the first page of the syllabus. Make use of them! The second option is the Chemistry Learning Center (CLC), located in Flint Hall, room 257. The CLC is staffed by chemistry graduate students who offer free help Monday through Friday. Finally, your classmates are also a valuable resource - study together!

HOW TO SUCCEED IN COLLEGE CHEMISTRY: (taken from Dr. Gower) Success in college-level chemistry requires both a strong conceptual understanding of the material and a competent proficiency with the quantitative problem-solving strategies that are required to successfully answer word problems that are typical on quizzes and exams. You will not excel in this course without both the conceptual and the competence aspects of the material. This means that you **MUST PRACTICE** most (if not all) of the End-Of- Chapter problems in your textbook so that you can diagnose your strengths and weaknesses with the material. (Do not make the common mistake in thinking that the Mastering Chemistry problems alone constitute enough practice). Then, you can study with focus and efficiency to tackle and overcome the weaknesses in your competence with the material. The more practice with problems that you do, the more likely you will recognize and know how to approach and work through the same kinds of problems (with the fewest errors and avoidable missteps) that you will see on quizzes and exams. **FOCUSED AND EFFICIENT PRACTICE IS ESSENTIAL!!!**

Problem-Solving Practice Strategy (VERY important): 1) attempt each of the end-of-chapter problems one at a time; 2) consult the worked-out solutions (in e-Learning) after attempting each problem to see if you got the correct answer (anything less than the absolute correct answer is an incorrect answer!) – if you didn't get the correct answer, read over the solution carefully and try to understand where you made the error; 3) if you succeeded in getting the correct answer, check off that problem in the book, and if you did not succeed, circle the problem number; 4) revisit the circled problems the next day or a few days later to see if you get the correct answer; 5) repeat step 3); and 6) repeat step 4) if necessary. Never assume that you have understood or succeeded at a problem until you have obtained the **CORRECT** answer all on your own, and do not merely look at the solutions and say "oh yeah, I see what I did wrong", and move on. **ALWAYS** go back and be sure that you can do each problem on your own successfully. Otherwise, you will most likely make the same errors on exams. And this is the most important thing of all: **ALWAYS** be assessing yourself – at the end of every problem-practice session, count the number of problems you did correctly the **FIRST** time, and the number you did not do correctly the first time – the percentage of problems you did correctly will be your “grade” for that session, which is a very good approximation of your performance level – **ALWAYS BE ASSESSING YOURSELF, AND DO NOT WAIT UNTIL YOUR INSTRUCTORS ASSESS YOU ON EXAMS, AFTER WHICH IT IS TOO LATE TO DO ANYTHING ABOUT IT.** Merely "doing all the problems at the end of the chapters" does not equal "doing all the problems at the end of the chapters correctly". Do not make this very common mistake. Giving yourself a “grade” after each session will keep you mentally on track regarding how you are performing at that time.

COUNSELING INFORMATION:

Counseling: <http://www.chem.ufl.edu/~itl/counseling.html>

DISABILITY RESOURCES:

Disabilities: <http://www.chem.ufl.edu/~itl/disabilities.html>

Disability resources students must see me the first week of class. Students requesting classroom and exam accommodations must first register with the Office of the Dean of Students. The Dean of Students will provide documentation to the student, whom must then provide this documentation to the Instructor when requesting accommodation.

The Dean of Students provides individualized assistance for students with documented disabilities. Services are based upon student need and impact of their specific disability. There is no requirement for any student to self-identify as having a disability. However, students requesting classroom accommodations must register with the

Dean of Students Office and provide the appropriate documentation verifying their disability. The Dean of Students Office determines what is and is not appropriate documentation. Examples of accommodations that are available to students include, but are not limited to, registration assistance, approval of reduced course load, course substitutions, classroom and examination accommodations, auxiliary learning aids, additional course drops when disability related, and assistance in other university activities. The designated coordinator for compliance with Section 504 of the Rehabilitation Act of 1973, as amended, and the Americans with Disabilities Act (ADA) is the Assistant Dean of Students responsible for Students with Disabilities Programs, P202 Peabody Hall, 392-1261 (Voice), or 392-3008 (TDD).

The Disability Resource Center strives to provide quality services to students with physical, learning, sensory or psychological disabilities, to educate them about their legal rights and responsibilities so that they can make informed decisions, and to foster a sense of empowerment so that they can engage in critical thinking and self-determination.